

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Cylinder, D.** MAIL STOP: **Patent Application**

Serial No.: **not yet assigned** Art Unit: **not yet assigned**

Filed: **on even date herewith** Examiner: **not yet assigned**

For: **DUAL WING-PAIR AIR VEHICLE**

First Information Disclosure Statement

MAIL STOP: Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §1.97(a)(4), the following documents are presented for the Examiner's consideration:

KELLOGG, J., BOVAIS, C., CYLINDER, D., DAHLBURG, J., FOCH, R., PLATZER, M., RAMAMURTI, R., and SANDBERG, W.C., "Nonconventional Aerodynamics for Micro-UAVs", Proc. 16th International UAV Systems Conference, Bristol, UK, April 2001.

KELLOGG, J., BOVAIS, C., CYLINDER, D., DAHLBURG, J., FOCH, R., CYLINDER, D., RAMAMURTI, R., SANDBERG, W.C., GARDNER, J., SRULL, D., PIPER, G., VAIANA, P., AND KAHN, A., Development and Testing of Unconventional Micro Air Vehicle Configurations, Proc. of Unmanned/Unlimited Conference, AIAA, September 2003.

GRASMEYER, Joel M., and KEENON, Matthew, "Development of the Black Widow Micro Air Vehicle", AIAA Paper 2001-0127 (AIAA Accession number 16057) Aerospace Sciences Meeting and Exhibit, 39th, Reno, NV, Jan. 8-11, 2001.

Kellogg, J., Bovais, C., Dahlburg, J., Foch, R., Gardner, J., Gordon, D., Hartley, R., Kamgar-Parsi, B., McFarlane, H., Pipitone, F., Ramamurti, R., Sciambi, A., Spears, W., Srull, D., and Sullivan, C., "The NRL Mite Air Vehicle", Proceedings of the Bristol RPV/AUV Systems Conference (2001)

Kellogg, J., Bovais, C., Cylinder, D., Dahlburg, J., Foch, R., Ramamurti, R., Sandburg, W.C., Gardner, J., Srull, D., Piper, G., Vaiana, P., and Kahn, A., "Development and Testing of Unconventional Micro Air Vehicle Configurations", Proc. of Unmanned/Unlimited Conference, AIAA, (September 2003).

LIAN, Y., SHYY, W. and IFJU, P.J., "Membrane Wing Model for Micro Air Vehicles", AIAA Journal, Vol. 41, No. 112, December 2003.

MUELLER, T. J. and DeLaurier, J. D., "Aerodynamics of Small Vehicles", Annu. Rev. Fluid. Mech. 200335:89-111 (Jan. 2003).

U.S. Patent No. 6,626,398, Cox et al.

U.S. Patent No. 6,082,671, Michelson

These documents are listed on the accompanying Form PTO-1449 or SB-08 for the Examiner's convenience.

In accordance with 37 C.F.R. § 1.98, a copy of each published patent application and each non-patent document is enclosed. Copies of the issued U.S. patents are not enclosed.

This submission is not to be construed as indicating that a search has been made or that the above-listed documents are material to examination of the above-captioned application.

This document is submitted within three months of the filing date of the application or before the mailing of a first Office Action on the merits, and therefore, no fee is due under 37 C.F.R. § 1.97(b).

The Commissioner is authorized to charge any fee which may be due, or credit any overpayments, to Deposit Account No. 50-0281.

Respectfully submitted,



John J. Karasek

Reg. No. 36,182

Date: February 4, 2004

Prepared by: Sally A. Ferrett

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Please type a plus sign (+) inside this box → ☐

PTO/SB/088 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet <u>2</u> of <u>2</u>		Complete if Known	
		Application Number	Not yet assigned
		Filing Date	
		First Named Inventor	Cylinder
		Group Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
		Attorney Docket Number	NC 95,938

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		KELLOGG, J., BOVAIS, C., CYLINDER, D., DAHLBURG, J., FOCH, R., PLATZER, M., RAMMAMURTI, R., AND SANDBERG, W.C., "Nonconventional Aerodynamics for Micro-UAVs", Proc. 16th International UAV Systems Conference, Bristol, UK, April 2001.	
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		MUELLER, T. J. and DeLaurier, J. D., "Aerodynamics of Small Vehicles", Annu. Rev. Fluid. Mech. 200335:89-111 (Jan. 2003).	

Examiner Signature		Date Considered	
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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